

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/500,943
Source: IFW16
Date Processed by STIC: 02/01/2007

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/500,943

CRF Edit Date: 02/01/2007
Edited by: DA

___ **Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line**

___ **Corrected the SEQ ID NO. Sequence numbers edited were:**

___ **Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:**

___ **Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers**

___ **Inserted mandatory headings/numeric identifiers, specifically:**

___ **Moved responses to same line as heading/numeric identifier, specifically:**

___ **Other:**



IFW16

RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

4 <110> APPLICANT: Genencor International, Inc.
5 Poulouse, Ayrookaran J.
6 Estell, David A.
7 Kellis, Jr., James
8 Bott, Richard R.
10 <120> TITLE OF INVENTION: Multiply-Substituted Protease Variants
13 <130> FILE REFERENCE: GC716-2-PCT
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/500,943
C--> 16 <141> CURRENT FILING DATE: 2005-04-20
18 <150> PRIOR APPLICATION NUMBER: US 60/350,222
19 <151> PRIOR FILING DATE: 2002-01-16
21 <160> NUMBER OF SEQ ID NOS: 10
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 1494
27 <212> TYPE: DNA
28 <213> ORGANISM: Bacillus amyloliquefaciens
30 <400> SEQUENCE: 1

Cp2-6)

31 ggtctactaa aatattattc catactatac aattaatata cagaataatc tgtctattgg	60
32 ttattctgca aatgaaaaaa aggagaggat aaagagttag aggcaaaaaa gtatggatca	120
33 gtttgctgtt tgcttttagcg ttaatcttta cgatggcggt cggcagcaca tcctctgccc	180
34 aggcggcagg gaaatcaaac ggggaaaaga aatatattgt cgggtttaaa cagacaatga	240
35 gcacgatgag cgccgctaag aagaaagatg tcatttctga aaaaggcggg aaagtgcaaa	300
36 agcaattcaa atatgtagac gcagcttcag ctacattaaa cgaaaaagct gtaaaagaat	360
37 tgaaaaaaga cccgagcgct gcttacgttg aagaagatca cgtagcacat gcgtacgcgc	420
38 agtccgtgcc ttacggcgta tcacaaatta aagcccctgc tctgcactct caagggtaca	480
39 ctggatcaaa tgttaaagta gcggttatcg acagcgggat cgattcttct catcctgatt	540
40 taaaggtagc aggcggagcc agcatgggtc cttctgaaac aaatcctttc caagacaaca	600
41 actctcacgg aactcacgtt gccggcacag ttgcggctct taataactca atcgggtgat	660
42 taggcgttgc gccaaagcga tcactttacg ctgtaaaagt tctcggtgct gacggttccg	720
43 gccaatagc ctggatcatt aacggaatcg agtgggcgat cgcaaacaat atggacgtta	780
44 ttaacatgag cctcggcgga ctttctggtt ctgctgcttt aaaagcggca gttgataaag	840
45 ccgttgcatc cggcgctgta gtcgttgagg cagccggtaa cgaaggcact tccggcagct	900
46 caagcacagt gggctaccct ggtaaatacc cttctgtcat tgcagtaggc gctgttgaca	960
47 gcagcaacca aagagcatct ttctcaagcg taggacctga gcttgatgtc atggcacctg	1020
48 gcgtatctat ccaaagcacg cttcctggaa acaaatacgg ggcgtacaac ggtacgtcaa	1080
49 tggcatctcc gcacgttgcc ggagcggctg ctttgattct ttctaagcac ccgaactgga	1140
50 caaacactca agtccgcagc agtttagaaa acaccactac aaaacttggg gattctttct	1200
51 actatggaaa agggctgac aacgtacagg cggcagctca gtaaaacata aaaaaccggc	1260
52 cttggccccc ccggtttttt atttttcttc ctccgcagtg tcaatccgct ccataatcga	1320
53 cggatggctc cctctgaaaa ttttaacgag aaacggcggg ttgacccggc tcagtcccgt	1380
54 aacggccaag tcttgaaacg tctcaatcgc cgcttcccgg tttccggtca gctcaatgcc	1440
55 gtaacggtcg gcggcggttt cctgataccg ggagacggca ttcgtaatcg gatc	1494

RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

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57 <210> SEQ ID NO: 2
58 <211> LENGTH: 382
59 <212> TYPE: PRT
60 <213> ORGANISM: Bacillus amyloliquefaciens
62 <220> FEATURE:
63 <221> NAME/KEY: VARIANT
64 <222> LOCATION: 163, 164
65 <223> OTHER INFORMATION: Xaa = Pro or Asn
67 <221> NAME/KEY: VARIANT
68 <222> LOCATION: 168
69 <223> OTHER INFORMATION: Xaa = Asp or Asn
W--> 71 <221> VARIANT
72 <222> LOCATION: 195, 196
73 <223> OTHER INFORMATION: Xaa = Ser or Ala
W--> 75 <221> VARIANT
76 <222> LOCATION: 205, 206
77 <223> OTHER INFORMATION: Xaa = Asp or Ala
W--> 79 <221> VARIANT
80 <222> LOCATION: 265, 266
81 <223> OTHER INFORMATION: Xaa = Ser or Thr
W--> 83 <221> VARIANT
84 <222> LOCATION: 358
85 <223> OTHER INFORMATION: Xaa = Glu or Gln
W--> 87 <400> 2
88 Met Arg Gly Lys Lys Val Trp Ile Ser Leu Leu Phe Ala Leu Ala Leu
89 1 5 10 15
90 Ile Phe Thr Met Ala Phe Gly Ser Thr Ser Ser Ala Gly Ala Ala Gly
91 20 25 30
92 Lys Ser Asn Gly Glu Lys Lys Tyr Ile Val Gly Phe Lys Gln Thr Met
93 35 40 45
94 Ser Thr Met Ser Ala Ala Lys Lys Lys Asp Val Ile Ser Glu Lys Gly
95 50 55 60
96 Gly Lys Val Gln Lys Gln Phe Lys Tyr Val Asp Ala Ala Ser Ala Thr
97 65 70 75 80
98 Leu Asn Glu Lys Ala Val Lys Glu Leu Lys Lys Asp Pro Ser Val Ala
99 85 90 95
100 Tyr Val Glu Glu Asp His Val Ala His Ala Tyr Ala Gln Ser Val Pro
101 100 105 110
102 Tyr Gly Val Ser Gln Ile Lys Ala Pro Ala Leu His Ser Gln Gly Tyr
103 115 120 125
104 Thr Gly Ser Asn Val Lys Val Ala Val Ile Asp Ser Gly Ile Asp Ser
105 130 135 140
106 Ser His Pro Asp Leu Lys Val Ala Gly Gly Ala Ser Met Val Pro Ser
107 145 150 155 160
W--> 108 Glu Thr Xaa Xaa Phe Gln Asp Xaa Asn Ser His Gly Thr His Val Ala
109 165 170 175
110 Gly Thr Val Ala Ala Leu Asn Asn Ser Ile Gly Val Leu Gly Val Ala
111 180 185 190
W--> 112 Pro Ser Xaa Xaa Leu Tyr Ala Val Lys Val Leu Gly Xaa Xaa Gly Ser

```

RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

```

113          195          200          205
114 Gly Gln Tyr Ser Trp Ile Ile Asn Gly Ile Glu Trp Ala Ile Ala Asn
115          210          215          220
116 Asn Met Asp Val Ile Asn Met Ser Leu Gly Gly Pro Ser Gly Ser Ala
117 225          230          235          240
118 Ala Leu Lys Ala Ala Val Asp Lys Ala Val Ala Ser Gly Val Val Val
119          245          250          255
W--> 120 Val Ala Ala Ala Gly Asn Glu Gly Xaa Xaa Gly Ser Ser Ser Thr Val
121          260          265          270
122 Gly Tyr Pro Gly Lys Tyr Pro Ser Val Ile Ala Val Gly Ala Val Asp
123          275          280          285
124 Ser Ser Asn Gln Arg Ala Ser Phe Ser Ser Val Gly Pro Glu Leu Asp
125          290          295          300
126 Val Met Ala Pro Gly Val Ser Ile Gln Ser Thr Leu Pro Gly Asn Lys
127 305          310          315          320
128 Tyr Gly Ala Tyr Asn Gly Thr Ser Met Ala Ser Pro His Val Ala Gly
129          325          330          335
130 Ala Ala Ala Leu Ile Leu Ser Lys His Pro Asn Trp Thr Asn Thr Gln
131          340          345          350
W--> 132 Val Arg Ser Ser Leu Xaa Asn Thr Thr Thr Lys Leu Gly Asp Ser Phe
133          355          360          365
134 Tyr Tyr Gly Lys Gly Leu Ile Asn Val Gln Ala Ala Ala Gln
135          370          375          380
137 <210> SEQ ID NO: 3
138 <211> LENGTH: 275
139 <212> TYPE: PRT
140 <213> ORGANISM: Bacillus amyloliquefaciens
142 <400> SEQUENCE: 3
143 Ala Gln Ser Val Pro Tyr Gly Val Ser Gln Ile Lys Ala Pro Ala Leu
144 1          5          10          15
145 His Ser Gln Gly Tyr Thr Gly Ser Asn Val Lys Val Ala Val Ile Asp
146          20          25          30
147 Ser Gly Ile Asp Ser Ser His Pro Asp Leu Lys Val Ala Gly Gly Ala
148          35          40          45
149 Ser Met Val Pro Ser Glu Thr Asn Pro Phe Gln Asp Asn Asn Ser His
150          50          55          60
151 Gly Thr His Val Ala Gly Thr Val Ala Ala Leu Asn Asn Ser Ile Gly
152 65          70          75          80
153 Val Leu Gly Val Ala Pro Ser Ala Ser Leu Tyr Ala Val Lys Val Leu
154          85          90          95
155 Gly Ala Asp Gly Ser Gly Gln Tyr Ser Trp Ile Ile Asn Gly Ile Glu
156          100          105          110
157 Trp Ala Ile Ala Asn Asn Met Asp Val Ile Asn Met Ser Leu Gly Gly
158          115          120          125
159 Pro Ser Gly Ser Ala Ala Leu Lys Ala Ala Val Asp Lys Ala Val Ala
160          130          135          140
161 Ser Gly Val Val Val Val Ala Ala Ala Gly Asn Glu Gly Thr Ser Gly
162 145          150          155          160
163 Ser Ser Ser Thr Val Gly Tyr Pro Gly Lys Tyr Pro Ser Val Ile Ala

```

RAW SEQUENCE LISTING

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TIME: 14:18:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

```

164          165          170          175
165 Val Gly Ala Val Asp Ser Ser Asn Gln Arg Ala Ser Phe Ser Ser Val
166          180          185          190
167 Gly Pro Glu Leu Asp Val Met Ala Pro Gly Val Ser Ile Gln Ser Thr
168          195          200          205
169 Leu Pro Gly Asn Lys Tyr Gly Ala Tyr Asn Gly Thr Ser Met Ala Ser
170          210          215          220
171 Pro His Val Ala Gly Ala Ala Ala Leu Ile Leu Ser Lys His Pro Asn
172 225          230          235          240
173 Trp Thr Asn Thr Gln Val Arg Ser Ser Leu Glu Asn Thr Thr Thr Lys
174          245          250          255
175 Leu Gly Asp Ser Phe Tyr Tyr Gly Lys Gly Leu Ile Asn Val Gln Ala
176          260          265          270
177 Ala Ala Gln
178          275
180 <210> SEQ ID NO: 4
181 <211> LENGTH: 275
182 <212> TYPE: PRT
183 <213> ORGANISM: Bacillus subtilis
185 <400> SEQUENCE: 4
186 Ala Gln Ser Val Pro Tyr Gly Ile Ser Gln Ile Lys Ala Pro Ala Leu
187 1          5          10          15
188 His Ser Gln Gly Tyr Thr Gly Ser Asn Val Lys Val Ala Val Ile Asp
189          20          25          30
190 Ser Gly Ile Asp Ser Ser His Pro Asp Leu Asn Val Arg Gly Gly Ala
191          35          40          45
192 Ser Phe Val Pro Ser Glu Thr Asn Pro Tyr Gln Asp Gly Ser Ser His
193          50          55          60
194 Gly Thr His Val Ala Gly Thr Ile Ala Ala Leu Asn Asn Ser Ile Gly
195 65          70          75          80
196 Val Leu Gly Val Ser Pro Ser Ala Ser Leu Tyr Ala Val Lys Val Leu
197          85          90          95
198 Asp Ser Thr Gly Ser Gly Gln Tyr Ser Trp Ile Ile Asn Gly Ile Glu
199          100          105          110
200 Trp Ala Ile Ser Asn Asn Met Asp Val Ile Asn Met Ser Leu Gly Gly
201          115          120          125
202 Pro Thr Gly Ser Thr Ala Leu Lys Thr Val Val Asp Lys Ala Val Ser
203          130          135          140
204 Ser Gly Ile Val Val Ala Ala Ala Ala Gly Asn Glu Gly Ser Ser Gly
205 145          150          155          160
206 Ser Thr Ser Thr Val Gly Tyr Pro Ala Lys Tyr Pro Ser Thr Ile Ala
207          165          170          175
208 Val Gly Ala Val Asn Ser Ser Asn Gln Arg Ala Ser Phe Ser Ser Ala
209          180          185          190
210 Gly Ser Glu Leu Asp Val Met Ala Pro Gly Val Ser Ile Gln Ser Thr
211          195          200          205
212 Leu Pro Gly Gly Thr Tyr Gly Ala Tyr Asn Gly Thr Ser Met Ala Thr
213          210          215          220
214 Pro His Val Ala Gly Ala Ala Ala Leu Ile Leu Ser Lys His Pro Thr

```

RAW SEQUENCE LISTING

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:48

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

```

215 225          230          235          240
216 Trp Thr Asn Ala Gln Val Arg Asp Arg Leu Glu Ser Thr Ala Thr Tyr
217          245          250          255
218 Leu Gly Asn Ser Phe Tyr Tyr Gly Lys Gly Leu Ile Asn Val Gln Ala
219          260          265          270
220 Ala Ala Gln
221          275
223 <210> SEQ ID NO: 5
224 <211> LENGTH: 274
225 <212> TYPE: PRT
226 <213> ORGANISM: Bacillus licheniformis
228 <400> SEQUENCE: 5
229 Ala Gln Thr Val Pro Tyr Gly Ile Pro Leu Ile Lys Ala Asp Lys Val
230 1          5          10          15
231 Gln Ala Gln Gly Phe Lys Gly Ala Asn Val Lys Val Ala Val Leu Asp
232          20          25          30
233 Thr Gly Ile Gln Ala Ser His Pro Asp Leu Asn Val Val Gly Gly Ala
234          35          40          45
235 Ser Phe Val Ala Gly Glu Ala Tyr Asn Thr Asp Gly Asn Gly His Gly
236          50          55          60
237 Thr His Val Ala Gly Thr Val Ala Ala Leu Asp Asn Thr Thr Gly Val
238 65          70          75          80
239 Leu Gly Val Ala Pro Ser Val Ser Leu Tyr Ala Val Lys Val Leu Asn
240          85          90          95
241 Ser Ser Gly Ser Gly Ser Tyr Ser Gly Ile Val Ser Gly Ile Glu Trp
242          100          105          110
243 Ala Thr Thr Asn Gly Met Asp Val Ile Asn Met Ser Leu Gly Gly Ala
244          115          120          125
245 Ser Gly Ser Thr Ala Met Lys Gln Ala Val Asp Asn Ala Tyr Ala Arg
246          130          135          140
247 Gly Val Val Val Val Ala Ala Gly Asn Ser Gly Asn Ser Gly Ser
248 145          150          155          160
249 Thr Asn Thr Ile Gly Tyr Pro Ala Lys Tyr Asp Ser Val Ile Ala Val
250          165          170          175
251 Gly Ala Val Asp Ser Asn Ser Asn Arg Ala Ser Phe Ser Ser Val Gly
252          180          185          190
253 Ala Glu Leu Glu Val Met Ala Pro Gly Ala Gly Val Tyr Ser Thr Tyr
254          195          200          205
255 Pro Thr Asn Thr Tyr Ala Thr Leu Asn Gly Thr Ser Met Ala Ser Pro
256          210          215          220
257 His Val Ala Gly Ala Ala Ala Leu Ile Leu Ser Lys His Pro Asn Leu
258 225          230          235          240
259 Ser Ala Ser Gln Val Arg Asn Arg Leu Ser Ser Thr Ala Thr Tyr Leu
260          245          250          255
261 Gly Ser Ser Phe Tyr Tyr Gly Lys Gly Leu Ile Asn Val Glu Ala Ala
262          260          265          270
263 Ala Gln
266 <210> SEQ ID NO: 6
267 <211> LENGTH: 269

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:49

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 163,164,168,195,196,205,206,265,266,358

Seq#:9; Xaa Pos. 6,8,9,10,11,12,16,18,19,21,25,31,33,35,36,37,38,43,44,45

Seq#:9; Xaa Pos. 50,53,54,55,56,57,58,61,63,72,89,99,103,104,106,108,109

Seq#:9; Xaa Pos. 111,115,117,118,119,120,122,124,128,131,133,134,135,136

Seq#:9; Xaa Pos. 137,139,140,141,142,143,144,145,148,153,156,158,159,160

Seq#:9; Xaa Pos. 161,162,163,164,165,166,169,170,172,173,174,175,180,182

Seq#:9; Xaa Pos. 183,185,186,191,192,194,195,198,199,204,205,209,212,213

Seq#:9; Xaa Pos. 215,216,217,224,234,235,236,238,239,240,242,243,244,246

Seq#:9; Xaa Pos. 248,249,251,254,255,256,259,260,261,262,265,268,270,271

Seq#:9; Xaa Pos. 274,275

VERIFICATION SUMMARY

DATE: 02/01/2007

PATENT APPLICATION: US/10/500,943

TIME: 14:18:49

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\02012007\J500943.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:75 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:83 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:160
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:256
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:352
L:337 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:341 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:32
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:48
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:64
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:80
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:96
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:112
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:128
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:144
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:160
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:176
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:192
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:208
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:224
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:240
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:256
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:272

**Raw Sequence Listing before editing,
for reference only**



IFW16

RAW SEQUENCE LISTING

DATE: 01/26/2007

PATENT APPLICATION: US/10/500,943

TIME: 11:45:02

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\01262007\J500943.raw

4 <110> APPLICANT: Genencor International, Inc.
 5 Poullose, Ayrookaran J.
 6 Estell, David A.
 7 Kellis, Jr., James
 8 Bott, Richard R.
 10 <120> TITLE OF INVENTION: Multiply-Substituted Protease Variants
 13 <130> FILE REFERENCE: GC716-2-PCT
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/500,943
 C--> 16 <141> CURRENT FILING DATE: 2005-04-20
 18 <150> PRIOR APPLICATION NUMBER: US 60/350,222
 19 <151> PRIOR FILING DATE: 2002-01-16
 21 <160> NUMBER OF SEQ ID NOS: 10
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
Corrected Diskette Needed

(ps-1)

ERRORED SEQUENCES

379 <210> SEQ ID NO: 10
 380 <211> LENGTH: 4
 381 <212> TYPE: PRT
 382 <213> ORGANISM: Artificial Sequence
 384 <220> FEATURE:
 385 <223> OTHER INFORMATION: assay protein
 387 <400> SEQUENCE: 10
 388 Ala Ala Pro Phe
 389 1
 E--> 390 I.
 E--> 391 III.
 E--> 392 V.
 E--> 393 VII.
 E--> 394 1

deleted

VERIFICATION SUMMARY

DATE: 01/26/2007

PATENT APPLICATION: US/10/500,943

TIME: 11:45:03

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\01262007\J500943.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:71 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:75 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:79 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:83 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:87 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:160
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:192
L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:256
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:352
L:337 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:341 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:9
L:342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:32
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:48
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:64
L:352 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:80
L:354 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:96
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:112
L:358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:128
L:360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:144
L:362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:160
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:176
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:192
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:208
L:370 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:224
L:372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:240
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:256
L:376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:272
L:390 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:390 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:391 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10
L:391 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:391 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:392 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10
L:392 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:392 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:393 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10
L:393 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:393 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:1
L:394 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:10
L:394 M:252 E: No. of Seq. differs, <211> LENGTH:Input:4 Found:8 SEQ:10